Appl. No. 09/521,641

Amdt. dated April 28, 2004

Reply to Office Action of Oct. 29, 2003

Amendments to the Specification:

Replace the second paragraph on page 9, beginning on line 7 (paragraph [0040] in the substitute specification), with the following replacement paragraph [0040]:

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[0040] What is achieved with this re-mapping of number representation (denoted as Re-Mapping for economy of language) is the ability to represent lower frequencies with more significant bits by and mapping higher frequencies with with less significant bits digits. In particular, as 2 $\cos(2\pi f/f_s)$ varies from -2 to 2, ϵ is defined to vary from 4 to 0. Smaller frequency values produce smaller values of ϵ , helping to satisfy asymmetric accuracy requirements of the human auditory system.